
Subject: Re: Radial sampling

Posted by [R.G. Stockwell](#) on Tue, 08 Jun 2004 15:58:48 GMT

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"Tim" <tjvy2@cam.ac.uk> wrote in message news:ca4lbk\$5gj\$1@pegasus.csx.cam.ac.uk...

> Dear all,

>

> I wish to sample an array with three dimensions radially, in complete

> 'shells' from the central point of the array. Is the best way to do this

> based on a 3D version of DIST?

>

> Thanks,

>

> Tim

Offhand I'd perhaps create an array of distances,
just an $\sqrt{x^2+y^2+z^2}$, then histogram that
and use the `reverse_indices` to parse them into shells.
The `binsize` keyword would set you shell thickness.

Cheers,

bob
